April 1898. Mr. Crommelin, Jupiter's Fifth Satellite.

April 18	398. <i>Mr</i> . C	From melin,	Jupiter's	Fifth Satellite	367
	System I. G.M.T.	System II. G.M.T.		System I. G.M T.	System II. G M.T.
May 3	h m 3 56·0	h m 4 41.8	June 26	h m 7 9.5	h m 9 23.0
5	5 8.4	6 20.1	<b>2</b> 8	8 22.5	I 6·2*
7	6 20 9	7 58.6	30	9 35 6	2 45°I
9	7 33.5	9 37.0	July 2	0 58.1*	4 24 1
11	8 46.1	1 19 6*	4	2 11.2	6 3.1
13	0 8.2*	2 58.1	6	3 24.2	7 42·I
15	1 20.8	4 36.6	8	4 37.4	9 2I <sup>-</sup> 2
· I7	2 33 4	6 12.1	10	5 50.6	I 4.4*
19	3 46 1	7 53.8	12	7 3.7	2 43.4
21	4 58.7	9 32.3	14	8 16.7	4 22.4
23	6 11.4	1 15.1*	16	9 29.9	6 <b>1</b> ·6
25	7 24 2	2 53.8	18	0 52.6*	7 40 <sup>.</sup> 6
27	8 37.0	4 32.3	20	<b>2</b> 5·8	 9 19 <b>'</b> 7
<b>2</b> 9	9 49.7	6 11.0	22	3 19.0	I 2.9*
31	1 11.0*	7 49 7	24	4 32.1	2 42 1
June 2	2 24.7	9 28.5	26	5 45 2	4 21.1
4	3 37.6	1 11.2*	28	6 <sub>5</sub> 8·4	6 0.3
6	4 50.5	2 50.2	30	8 11.8	7 39.4
8	6 3.4	4 28.9	Aug. 1	9 25.0	9 18.5
10	7 16.3	6 7.8	3	0 47 6*	1 1·8*
12	8 29.2	7 46.5	5	2 0.9	<b>2</b> 40·9
14	9 42.1	9 25.4	7	3 14.1	4 20 I
16	I 4.5*	1 8·5*	9	4 27.4	5 59 <b>·3</b>
18	2 17.5	2 47.3	11	5 40.6	7 38.4
20	3 30.4	4 <b>2</b> 6·2	13	6 53.8	9 17.5
22	4 43°4	6 5.1	15	8 7.1	1 0.0*
24	5 56·5	7 44.0	17	9 20.4	2 40 1

7 Vanbrugh Park Road, Blackheath, S.E.: 1898 April 6.

Elongations of Jupiter's Fifth Satellite, 1898 April 10 to June 19. By A. C. D. Crommelin.

The period adopted in the American Ephemeris, viz. 11h 57m 228.6865, has been employed. This is sensibly the same as the definitive value 11h 57m 22s.6790 deduced by Dr. Cohn from all the observations made up to 1895 January 30, the difference only amounting to about 1 minute in 10 years. Every fourth elongation is tabulated; the intermediate ones may be found by the application of 11h 57m or 23h 55m to the nearest tabulated elongation.

nonga	01011.					
1898.		East Elongns. G.M.T. h m	West Elongns. G.M.T. h m		East Elongns. G.M.T. h m	West Elongns. G.M.T. h m
Apr.	10	15 23	21 22	May 16	12 11	18 10
	12	15 13	21 12	18	12 0	17 59
	14	15 2	2I I	20	11 50	17 49
	16	14 52	20 50	22	11 39	17 38
	18	14 41	20 40	24	11 29	17 28
	20	14 30	20 29	26	11 19	17 17
	22	14 19	20 18	28	11 8	17 7
	24	14 8	20 7	30	10 58	16 57
	26	13 58	19 56	$\mathbf{June}$ $\mathbf{I}$	10 48	16 47
	28	13 47	19 46	3	10 38	16 37
	30	13 36	19 35	5	10 28	16 26
May	2	13 25	19 24	7	10 17	16 16
	4	13 14	19 13	9	10 8	16 7
	6	13 4	19 2	11	9.58	15 56
	8	12 53	18 52	13	9 48	15 47
	10	12 43	18 41	15	9 38	15 37
	12	12 32	18 31	17	9 29	15 28
	14	12 21	18 21	19	9 19	15 18

Errata in Mr. Marth's Values of the Sun's Co-longitude, Monthly Notices vol. lvii.:—

(Communicated by A. C. D. Crommelin.)

Page 88, Aug. 22, for 218°.82 read 205°.82.

" ,, 23, for 230°·05 read 218°·05.

,, ,, 24, for 242°·29 read 230°·29. Page 614, Nov. 19, for 201°·64 read 210° 64.